

Although the outstanding Official Action identifies different search classifications, it is believed that the claims of the present application would have to be searched in a handful of sub-classes.

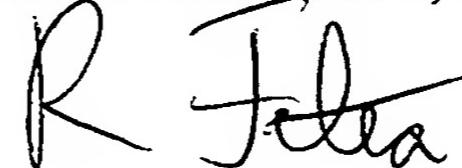
Additionally, the non-elected claims 5-10 and 15-20 (Group II), drawn to a demodulation device and method are requested to be examined on the merits because the technology and concepts for modulation and demodulation are related. Therefore, a search for the modulation device and method of Group I will lead to a similar search for the demodulation device and method of Group II.

Furthermore, since electronic searching is commonly performed, a search may be made of a large number of, or theoretically all, subclasses without substantial additional effort. Accordingly, Applicants respectfully traverse the Restriction Requirement on the grounds that a search and examination of the entire application would not place a *serious* burden on the Examiner, whereas it would be a serious burden on Applicants to prosecute and maintain separate applications.

Therefore, it is respectfully requested that the requirement to elect a single group be withdrawn, and that a full examination on the merits of Claims 1-20 be conducted.

Respectfully submitted,

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